

Department of Health Services
Division of Drinking Water and Environmental Management

09-03-04

Proposition 50 Pre-Application for Grant Funds

Pre-Applications are Due Dec. 1, 2004 by 5:00 PM

Refer to instructions for submittal information

PART 1 (Same for all Grant Programs)
Refer to Instructions

Page 1 of 2

A. Project Title (10 words or less) (Use a unique title for each pre-application submitted by a water system)

B. Applicant Water System

1. DHS Public Water System ID No.:

Chap 6b only: public entities that are not public water systems must contact DHS for an applicant identification number. Refer to instructions.

2. DHS Public Water System Name:

3. Legal Name of Applicant:

4. County (counties) where service provided:

5. Number of service connections:

6. Population served:

7. Regulating Entity:

☐ DHS District

Name

OR ☐ County

Name

8. Type of public water system:

☐ Community Water System

☐ Non-Transient, Noncommunity Water System

☐ Transient, Noncommunity Water System

9. Water System Ownership:

☐ Public Entity

☐ Private Ownership, CPUC regulated

☐ Private Ownership, not CPUC regulated

C. Applicant Contact

1. Name:

2. Title and/or Company Name:

3. Mailing Address:

City:

State:

Zip:

4. Street Address (if different):

City:

State:

Zip:

5. Phone Number:

6. Fax Number:

7. E-mail Address (if available):

8. Date:

9. Signature:

D. Disadvantaged Communities

Refer to the description of disadvantaged communities in the instructions, Page 8. If you believe that this project will serve one or more disadvantaged communities as specified in the instructions, check the box below and attach a list of census tracts in the project service area. (Not applicable to Chapter 6b applicants.)

☐ The proposed project is believed to serve a disadvantaged community.

A list of census tracts in the service area is attached (not included in page limit for pre-application).

E. Other Information

1. Anticipated date of start of project, if funding is available	Month:		Year:	
2. Could this project be considered a CALFED Drinking Water Quality Program project? Refer to instructions for more information.	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not sure			
3. Does the applicant have a 20-year planning document for water demand? Specify the type of document:	<input type="checkbox"/> No document <input type="checkbox"/> Urban Water Management Plan <input type="checkbox"/> Other comparable document			
4. Is the proposed project in conformance with the planning document specified in question 3?	<input type="checkbox"/> No document <input type="checkbox"/> Yes <input type="checkbox"/> No			
5. Does this project include multiple public water systems as applicants? (If so, include name(s) of additional co-applicant(s) in Section F below)				<input type="checkbox"/> Yes <input type="checkbox"/> No
6. Applicant understands that any entity awarding a public works contract under this grant program must adopt and enforce a labor compliance program.				<input type="checkbox"/> Yes <input type="checkbox"/> No

F. Additional Co-Applicant Water System(s) (if applicable)
(if there are more than 2 co-applicants, provide a list in attachments)

1. Legal Name of Co-Applicant:	
DHS Public Water System Name:	
DHS Public Water System ID No.:	

2. Legal Name of Co-Applicant:	
DHS Public Water System Name:	
DHS Public Water System ID No.:	

G. Funding Program Select one Funding Program for this application (see instructions for program descriptions)

	Program	Construction Projects
<input type="checkbox"/>	3	Water Security
<input type="checkbox"/>	4a.1	Small Community Water System Facilities ¹
<input type="checkbox"/>	4a.3	Community Water System Monitoring Facilities
<input type="checkbox"/>	4a.4	Drinking Water Source Protection
<input type="checkbox"/>	4a.5	Disinfection Byproduct Treatment Facilities
<input type="checkbox"/>	4b	Southern California Projects to Reduce Demand on Colorado River ²
<input type="checkbox"/>	6c	UV and Ozone Disinfection
	Program	Demonstration Projects and Pilot Studies
<input type="checkbox"/>	4a.2	Contaminant Treatment and Removal
<input type="checkbox"/>	6b	Contaminant Removal

Notes: 1. Community water systems serving $\leq 1,000$ service connections or $\leq 3,300$ population
 2. Water systems with service area entirely or partly within San Diego, Imperial, Riverside, Orange, Los Angeles, San Bernardino, Santa Barbara, or Ventura counties.

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Part 2

Chapter 3: Water Security

Page 1 of 2

Refer to the pre-application instructions for project eligibility.

A. Project Title (10 words or less) (Repeat from Part 1)

B. Applicant Water System (Repeat from Part 1)

1. DHS Public Water System ID No.:

2. DHS Public Water System Name:

3. Legal Name of Applicant:

C. Funding

1. Prop 50 Grant Funds Requested
(Maximum Grant: \$10 million Minimum Grant: \$50,000)

\$

2. Amount of Matching Funds to be provided:
(A 1-to-1 match of non-state funds is required for all grant awards, except for those to disadvantaged communities and small water systems.)

\$

3. Anticipated source of matching funds

List the source and amount of matching funds in the Proposed Project Budget (refer to Attachments)

D. Population Served (for purposes of this grant program only)

Maximum Daily Population served (*including transient or seasonal populations*):

E. Emergency Interties

Indicate the number of emergency interties with other public water systems that are proposed as part of this project.

An eligible intertie must be capable of supplying:

- At least 25 percent of the water demand for one of the recipient water systems OR
- At least 10 million gallons per day

- ☐ None
- ☐ 1 intertie
- ☐ 2 interties
- ☐ 3 interties
- ☐ 4 interties
- ☐ 5 or more interties

Attach a description of interties (*if applicable; refer to instructions*).

F. Multiple Water System Benefits

Will this project benefit 5 or more public water systems, in addition to the applicant?

☐ Yes

☐ No

Attach a description of the systems benefiting from the project (*if applicable; refer to instructions*).

G. Project Description

Describe the project in sufficient detail to allow reviewers to determine project eligibility, and to categorize and rank the project. Describe how the project accomplishes the purpose of this grant program. Describe any new monitoring or early warning technologies included in the project, if applicable. *Use additional pages as necessary (refer to instructions).*

H. Additional Information

1. Has a security vulnerability assessment been prepared for this water system? (required only for community water systems)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not yet <input type="checkbox"/> Not required
2. Has the security vulnerability assessment been submitted to U.S. EPA?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not yet <input type="checkbox"/> Not required
3. Is the proposed project consistent with the security vulnerability assessment?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Assessment not prepared.

I. Attachments

Your pre-application for the grant program is limited to a total of 7 pages including:

- Pre-application Part 1 (2 pages)
- Pre-application Part 2 (this form) (2 pages)
- Attachments (**3 pages maximum**). Include the information listed below as necessary.

1. Proposed Project Budget **REQUIRED** (1 page maximum). Include costs of major project components. Identify anticipated funding sources. See example in instructions.
2. Description of emergency interties identified in Question E. For each intertie, specify:
 - a. Name of recipient water system
 - b. Capacity of intertie (gallons per day)
 - c. Average Daily Water demand of recipient water system (gallons per day)
3. Description of multiple water system benefits identified in Question F. Include in the description:
 - a. Names of other public water systems benefiting from the project.
 - b. Explanation of how the project provides benefits to multiple water systems (*i.e.*, security measures for reservoir, treatment plant, or distribution facility serving multiple systems)
4. Additional detail for Project Description in Question G.

Complete and attach this form and any attachments to Pre-application Form Part 1 and submit as directed in the instructions.

California Department of Health Services
Division of Drinking Water and Environmental Management
Proposition 50 Pre-Application for Grant Funds
Pre-Applications are Due Dec. 1, 2004 by 5:00 PM
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Part 2 Chapter 4a.1: Small Community Water System Facilities

Page 1 of 2

Refer to the pre-application instructions for project eligibility.

A. Project Title (10 words or less) (Repeat from Part 1)

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B. Applicant Water System (Repeat from Part 1)

1. DHS Public Water System ID No.:	
2. DHS Public Water System Name:	
3. Legal Name of Applicant:	

C. Funding

1. Prop 50 Grant Funds Requested (Maximum Grant: \$2 million Minimum Grant: \$5,000)	\$
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D. Problem Description

Briefly describe the water system problem(s) that this project is intended to address. Identify the drinking water standard, regulation, or DHS directive violated. *Use additional pages as necessary (refer to instructions).*

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Chapter 4a.1 – Small Community Water System Facilities**E. Project Description**

Describe the facilities that will constructed or installed to solve the compliance problem. This may include monitoring equipment, treatment equipment, or distribution infrastructure (pipes, tanks, pump stations, etc.) Construction of new sources (and destruction of old sources may be eligible if this is the most cost effective solution to the compliance problem. Describe the project in sufficient detail to allow reviewers to determine project eligibility, and to categorize and rank the project. Describe how the project accomplishes the purpose of this grant program. *Use additional pages as necessary (refer to instructions).*

F. Attachments

Your pre-application for the grant program is limited to a total of **6** pages including:

- Pre-application Part 1 (2 pages)
 - Pre-application Part 2 (this form) (2 pages)
 - Attachments (**2 pages maximum**). Include the information listed below as necessary.
5. Proposed Project Budget **REQUIRED** (1 page maximum). Include costs of major project components . Identify anticipated funding sources. See example in instructions.
 6. Additional detail for Problem Description in Question D.
 7. Additional detail for Project Description in Question E.

Complete and attach this form and any attachments to Pre-application Form Part 1 and submit as directed in the instructions.

California Department of Health Services
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Part 2

**Chapter 4a.2: Demonstration Projects and Studies
for Contaminant Treatment and Removal**

Page 1 of 2

Refer to the pre-application instructions for project eligibility.

A. Project Title (10 words or less) (Repeat from Part 1)

B. Applicant Water System (Repeat from Part 1)

1. DHS Public Water System ID No.:

2. DHS Public Water System Name:

3. Legal Name of Applicant:

C. Funding

1. Prop 50 Grant Funds Requested
(Maximum Grant: \$2 million Minimum Grant: \$50,000)

\$

2. Amount of Matching Funds to be provided:
(A 1-to-1 match of non-state funds is required for all grant awards, except for those to disadvantaged communities and small water systems.)

\$

3. Anticipated source of matching funds

List the source and amount of matching funds in the Proposed Project Budget (refer to Attachments)

D. Type of Study

What is the type of study for this project? (Select one)

☐ Demonstration Project ☐ Pilot Study ☐ Bench-scale Study

E. Problem Description

What is the primary contaminant or contaminants to be addressed by the project? Which drinking water sources for this water system are impacted? At what levels does the contaminant(s) occur in the source(s)? What is the production volume of the source(s)? *Use additional pages if necessary (refer to instructions).*

Chapter 4a.2 – Demonstration Projects and Studies for Contaminant Treatment and Removal**F. Project Description**

Describe the project in sufficient detail to allow reviewers to determine project eligibility, and to categorize and rank the project. Your description must include the following elements or describe how these elements will be addressed by the study, to the extent they are relevant to the proposed project. *Refer to the instructions for more information.*

- Qualifications of the applicant and project proponents to undertake the project.
- Proposed treatment methods
- Critical or controlling design and operational details
- Data collection and study protocol
- How the study will address ongoing operation and maintenance issues
- How the project involves a public purpose of statewide interest and concern
- Peer review component of the project (applicant technical advisory committee)
- Plan for public dissemination of the project results (must include submission of a report to DHS)
- How the study will address affordability and level of operational expertise required
- How the study will address handling and disposal of residuals
- Preparation of an operation and maintenance manual for demonstration projects
- List previous studies related to this project.

Use additional pages if necessary (refer to instructions).

G. Attachments

Your pre-application for the grant program is limited to a total of **10** pages including:

- Pre-application Part 1 (2 pages)
- Pre-application Part 2 (this form) (2 pages)
- Attachments (**6 pages maximum**). Include the information listed below as necessary.

8. Proposed Project Budget **REQUIRED** (1 page maximum). Include costs of major project components . Identify anticipated funding sources. See example in instructions.

9. Additional detail for Problem Description in Question E.

10. Additional detail for Project Description in Question F.

H. Intellectual Property

Applicant understands that all intellectual property developed pursuant to this grant program, including but not limited to copyrights, patents, and licenses, shall be the property of the State of California and shall remain in the public domain.

☐ Yes

☐ No

Complete and attach this form and any attachments to Pre-application Form Part 1 and submit as directed in the instructions.

California Department of Health Services
Division of Drinking Water and Environmental Management
Proposition 50 Pre-Application for Grant Funds
Pre-Applications are Due Dec. 1, 2004 by 5:00 PM
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Part 2 Chapter 4a.3: Community Water System Monitoring Facilities

Page 1 of 2

Refer to the pre-application instructions for project eligibility.

A. Project Title (10 words or less) (Repeat from Part 1)

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B. Applicant Water System (Repeat from Part 1)

1. DHS Public Water System ID No.:	
2. DHS Public Water System Name:	
3. Legal Name of Applicant:	

C. Funding

1. Prop 50 Grant Funds Requested (Maximum Grant: \$2 million Minimum Grant: \$5,000)	\$
2. Amount of Matching Funds to be provided: (A 1-to-1 match of non-state funds is required for all grant awards, except for those to disadvantaged communities and small water systems.)	\$
3. Anticipated source of matching funds List the source and amount of matching funds in the Proposed Project Budget (refer to Attachments)	

D. Problem Description

Briefly describe the water system problem(s) that this project is intended to address. Identify drinking water standard, regulation, or DHS directive violated, or the AB 1747 priority contaminant, or other emerging contaminant to be addressed. *Use additional pages if necessary (refer to instructions).*

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Chapter 4a.3 –Community Water System Monitoring Facilities**E. Project Description**

Describe the monitoring facilities and related equipment to be installed for this project. Describe the project in sufficient detail to allow reviewers to determine project eligibility, and to categorize and rank the project. Describe how the project accomplishes the purpose of this grant program. Describe how the project will bring the water system into compliance with current or proposed drinking water standards. *Use additional pages if necessary (refer to instructions).*

F. Attachments

Your pre-application for the grant program is limited to a total of **6** pages including:

- Pre-application Part 1 (2 pages)
- Pre-application Part 2 (this form) (2 pages)
- Attachments (**2 pages maximum**). Include the information listed below as necessary.

11. Proposed Project Budget (1 page maximum) **REQUIRED**. Include costs of major project components . Identify anticipated funding sources. See example in instructions.

12. Additional detail for Problem Description in Question D.

13. Additional detail for project description in Question E.

Complete and attach this form and any attachments to Pre-application Form Part 1 and submit as directed in the instructions.

Pre-Applications are Due Dec. 1, 2004 by 5:00 PM

Part 2

Page 1 of 3

A. Project Title (10 words or less) (Repeat from Part 1)

1. DHS Public Water System ID No.:

2. DHS Public Water System Name:

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3. Legal Name of Applicant:

--

1. Prop 50 Grant Funds Requested
(Maximum Grant: \$2 million Minimum Grant: \$50,000)

2. Amount of Matching Funds to be provided:
(A 1-to-1 match of non-state funds is required for all grant awards, except for those to disadvantaged communities and small water systems.)

\$

3. Anticipated source of matching funds

List the source and amount of matching funds in the Proposed Project Budget (refer to Attachments)

The following questions refer to drinking water source assessments conducted as part of the California Drinking Water Source Assessment and Protection (DWSAP) program. Assessments for most sources have been completed. For information on this program contact your DHS or county regulator, or go to: <http://www.dhs.ca.gov/ps/ddwem/dwsap/DWSAPindex.htm>

1. DHS identification number(s) for source(s) to be addressed by this project.

2. Has a drinking water source water assessment(s), been completed for the source(s) identified in this project?

☐ Yes, by _____ in _____
entity month/year

☐ No

3. Zone(s) in which project is located

Using the source water assessment, indicate the source water assessment zone(s) in which the project will be located. Use groundwater zones for groundwater sources, surface water zones for surface water sources. Describe the zones in the project description. Refer to instructions for additional information.

Ground Water Sources

- ☐ Zone A
- ☐ Zone B5 (check all that apply)
- ☐ Zone B10
- ☐ Recharge Area
- ☐ Buffer Zone

Surface Water Sources

- ☐ Zone A
☐ Zone B
☐ Watershed

If zones have not been established, or an assessment has not been completed, choose “watershed”.

Chapter 4a.4 – Drinking Water Source Protection**E. Problem Description**

Briefly describe the type of contaminant(s) to be addressed by this project, identify the Possible Contaminating Activities (PCAs) the contaminant(s) are associated with, and specify the drinking water source(s) that would be addressed by this source water protection project. Describe the size, shape, and location of the source water assessment zones for this source, and the approximate location within the zones of the PCAs to be addressed by this project.

Use additional pages if necessary (refer to instructions).

F. Project Description

Describe the project in sufficient detail to allow reviewers to determine project eligibility, and to categorize and rank the project. Describe how the project will address the contaminant(s) described in Question E. *Use additional pages if necessary (refer to instructions).*

Chapter 4a.4 – Drinking Water Source Protection

G. Additional Information	
1. Has a local task force, committee, or group been organized that can develop and implement a source water protection program?	<input type="checkbox"/> Yes (describe in attachments) <input type="checkbox"/> No
2. Has the water system or an associated organization developed a written Source Water Protection plan (or equivalent) that identifies possible management measures?	<input type="checkbox"/> Yes (describe in attachments) <input type="checkbox"/> No
3. Has the contaminant(s) that the project proposes to address been released, and is the direction of movement towards the drinking water source?	<input type="checkbox"/> Yes (describe in attachments) <input type="checkbox"/> No
4. Does the project address a water supply that is used by multiple public water systems that are participating in this project?	<input type="checkbox"/> Yes (list other participating water systems in attachments) <input type="checkbox"/> No, the supply is used only by applicant or no other water systems are participating in project

H. Attachments
<p>Your pre-application for the grant program is limited to a total of 10 pages including:</p> <ul style="list-style-type: none"> • Pre-application Part 1 (2 pages) • Pre-application Part 2 (this form) (3 pages) • Attachments (5 pages maximum). Include the information listed below as necessary.
14. Proposed Project Budget REQUIRED (1 page maximum). Include costs of major project components . Identify anticipated funding sources. See example in instructions.
15. Additional detail for Problem Description in Question E.
16. Additional detail for Project Description in Question F.
17. Detail for additional information in Question G (refer to instructions).

Complete and attach this form and any attachments to Pre-application Form Part 1 and submit as directed in the instructions.

California Department of Health Services
Division of Drinking Water and Environmental Management
Proposition 50 Pre-Application for Grant Funds
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Part 2 Chapter 4a.5: Disinfection Byproduct Treatment Facilities

Page 1 of 3

Refer to the pre-application instructions for project eligibility.

A. Project Title (10 words or less) (Repeat from Part 1)

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B. Applicant Water System (Repeat from Part 1)

1. DHS Public Water System ID No.:	
2. DHS Public Water System Name:	
3. Legal Name of Applicant:	

C. Funding

1. Prop 50 Grant Funds Requested (Maximum Grant: \$2 million Minimum Grant: \$50,000)	\$
2. Amount of Matching Funds to be provided: (A 1-to-1 match of non-state funds is required for all grant awards, except for those to disadvantaged communities and small water systems.)	\$
3. Anticipated source of matching funds List the source and amount of matching funds in the Proposed Project Budget (refer to Attachments)	

D. Problem Description

Briefly describe the water system problem(s) that this project is intended to address. Explain how the water system is in non-compliance with the U.S. EPA Stage 1 Disinfectants and Disinfection Byproducts (DBP) Maximum Contaminant Levels (MCLs) or treatment technique. *Use additional pages if necessary (refer to instructions).*

--

E. Disinfection Byproduct Concentrations

Determine the average concentration of each regulated DBP (in µg/L). In the determination use the following information:

- For water systems serving <10,000 people, all available data should be used to determine the average concentration of individual regulated DBPs.
- For those water systems serving ≥10,000 people, the last five years of quarterly data should be used to determine the average concentration of individual regulated DBPs.

Report the DBP concentrations in Column D of Table 1 (attached).

Describe any special circumstances, procedures, or results in an attachment.

Chapter 4a.5 – Disinfection Byproduct Treatment Facilities**F. Calculated Theoretical Cancer Risk**

Calculate the theoretical cancer risk, based upon the average regulated DBP concentrations as determined in Table 1 for Question E and the cancer risk coefficients shown in Column C of Table 1. Enter the calculated theoretical cancer risk for each regulated DBP in Column E of Table 1. Finally, sum the theoretical cancer risk for all DBPs and report the total at the bottom of Column F.

G. Project Description

Describe the treatment facilities to be installed for this project. Describe the project in sufficient detail to allow reviewers to determine project eligibility, and to categorize and rank the project. Describe how the project accomplishes the purpose of this grant program. Specify whether this project addresses an MCL violation or treatment technique. Describe the ability of the applicant to operate and maintain the treatment facilities. *Use additional pages if necessary (refer to instructions).*

H. Attachments

Your pre-application for the grant program is limited to a total of **9** pages including:

- Pre-application Part 1 (2 pages)
- Pre-application Part 2 (this form) (3 pages, including Table 1)
- Attachments (**4 pages maximum**). Include the information listed below as necessary.

18. Proposed Project Budget **REQUIRED** (1 page maximum). Include costs of major project components . Identify anticipated funding sources. See example in instructions.

19. Table 1 for reporting DBP concentrations and calculating theoretical cancer risk. **REQUIRED**

20. Additional detail for Problem Description in Question D.

21. Description of any special circumstances, procedures, or results for Questions E or F or Table 1.

22. Additional detail for Project Description in Question G.

Complete Table 1 on next page.

Chapter 4a.5 – Disinfection Byproduct Treatment Facilities**Table 1****Worksheet to Determine Theoretical Cancer Risk
from Disinfection Byproducts (DBPs)**

A	B	C	D	E	F
Disinfection Byproducts (DBPs) Includes total trihalomethanes (TTHM) and Haloacetic acids (HAA5) ¹	MCL (in µg/L)	DBP conc. for <i>de minimis</i> cancer risk ¹ (µg/L)	Enter average DBP conc. (µg/L) for all DBPs, including TTHM & HAA5 ⁴	Divide DBP conc's in Column D by Column C, and enter here to yield cancer risk per million	Sum values in Column E at the bottom of this column <i>This is the estimated risk from DBPs in theoretical cancer cases per million people per lifetime.</i>
TTHM	80				
Bromodichloromethane (IRIS, 1993)*		0.6			
Bromoform (IRIS, 1991)		4			
Chloroform (IRIS, 1991)		N/A ²		N/A	
Dibromochloromethane (IRIS, 2002)		0.4			
HAA5	60				
Monochloroacetic Acid		-- ³		--	
Dichloroacetic Acid (IRIS, 2003)		0.7			
Trichloroacetic Acid (IRIS, 1996)		N/A		N/A	
Monobromoacetic Acid		--		--	
Dibromoacetic Acid		--		--	
OTHER					
Bromate (IRIS, 2001)	10	0.05			
Chlorite (IRIS, 2000)	1,000	N/A		N/A	Total =

¹ (IRIS, date) refers to US EPA's Integrated Risk Information System (IRIS), <http://www.epa.gov/iris> and the date of the IRIS Carcinogenicity Assessment, which provides the concentration in drinking water [Column C] that corresponds to an excess lifetime (70-year) cancer risk of up to one case of cancer per million people.

² N/A means IRIS does not consider the chemical to pose a cancer risk (chloroform), lacks a quantitative estimate (trichloroacetic acid), or is not classifiable as to cancer risk (chlorite).

³ — indicates no information available from US EPA's IRIS.

⁴ Water systems ≥10,000 population use last 5 years of quarterly data; other systems use all data.

**Complete and attach this form and any attachments to Pre-application Form Part 1
and submit as directed in the instructions.**

California Department of Health Services
Division of Drinking Water and Environmental Management
Proposition 50 Pre-application for Grant Funds
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Part 2

**Chapter 4b: Southern California Projects
to Reduce Demand on Colorado River**

Page 1 of 2

Refer to the pre-application instructions for project eligibility.

A. Project Title (10 words or less) (Repeat from Part 1)

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B. Applicant Water System (Repeat from Part 1)

1. DHS Public Water System ID No.:	
2. DHS Public Water System Name:	
3. Legal Name of Applicant:	

C. Funding

1. Prop 50 Grant Funds Requested (Maximum Grant: \$20 million per single applicant, \$60 million for a regional project submitted by multiple applicants; Minimum Grant: \$50,000)	\$
2. Amount of Matching Funds to be provided: (A 1-to-1 match of non-state funds is required for all grant awards, except for those to disadvantaged communities and small water systems.)	\$
3. Anticipated source of matching funds List the source and amount of matching funds in the Proposed Project Budget (refer to Attachments)	

D. Reduction in Colorado River Demand

What is the estimated annual reduction in Colorado River water demand expected as a result of the proposed project? Use the average annual demand anticipated over a 10 year period.	acre-feet/year
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E. Problem Description

Briefly describe the water system problem(s) that this project is intended to address. Identify drinking water standard, regulation, or DHS directive violated, or the AB 1747 priority contaminant, or other emerging contaminant to be addressed. <i>Use additional pages if necessary (refer to instructions).</i>

Chapter 4b – Southern California Projects to Reduce Demand on Colorado River**F. Project Description**

Describe the facilities to be constructed or installed as part of this project. Describe the source(s) to be used, if applicable. Describe the project in sufficient detail to allow reviewers to determine project eligibility, and to categorize and rank the project. Describe how the project accomplishes the purpose of this grant program. Describe how the estimated reduction in Colorado River demand was determined. Describe the current status of the project. *Use additional pages if necessary (refer to instructions).*

G. Attachments

Your pre-application for the grant program is limited to a total of **8** pages including:

- Pre-application Part 1 (2 pages)
- Pre-application Part 2 (this form) (2 pages)
- Attachments (**4 pages maximum**). Include the information listed below as necessary.

23. Proposed Project Budget **REQUIRED** (1 page maximum). Include costs of major project components . Identify anticipated funding sources. See example in instructions.

24. For regional projects, attach a list of participating water systems.

25. Additional detail for Problem Description in Question E.

26. Additional detail for Project Description in Question F.

27. Applicants proposing projects that reduce demand on State Water Project supplies must include a description of procedures to execute a continuing transfer of that reduction to another agency such that the long-term demand on Colorado River water will be reduced.

Complete and attach this form and any attachments to Pre-application Form Part 1 and submit as directed in the instructions.

California Department of Health Services
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Part 2 Chapter 6b: Pilot and Demonstration Studies for Contaminant Removal Page 1 of 2
Refer to the pre-application instructions for project eligibility.

A. Project Title (10 words or less) (Repeat from Part 1)

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B. Applicant Water System (Repeat from Part 1)

1. DHS Public Water System ID No.:	
<i>Chap 6b only: public entities that are not public water systems must contact DHS for an applicant identification number. Refer to instructions.</i>	
2. DHS Public Water System Name:	
3. Legal Name of Applicant:	

C. Funding

1. Prop 50 Grant Funds Requested (Maximum Grant: \$5 million Minimum Grant: \$50,000)	\$
2. Amount of Matching Funds to be provided: (A 1-to-1 match of non-state funds is required for all grant awards, except for those to disadvantaged communities and small water systems.)	\$
3. Anticipated source of matching funds List the source and amount of matching funds in the Proposed Project Budget (refer to Attachments)	

D. Type of Study

What is the type of study for this project? (Select one)	<input type="checkbox"/> Demonstration Project <input type="checkbox"/> Pilot Study
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E. Problem Description

What is the primary contaminant or contaminant category to be addressed by the project (refer to grant program description for categories)? Which drinking water sources for this water system are impacted? At what levels does the contaminant(s) occur in the source(s)? What is the production volume of the source(s)? If known, also address the following questions: What is the estimated number of drinking water sources impacted by the contaminant(s) in the state? What is the estimated population in the state impacted by contaminated sources? *Use additional pages if necessary (refer to instructions).*

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Chapter 6b – Pilot and Demonstration Studies for Contaminant Removal**F. Project Description**

Describe the project in sufficient detail to allow reviewers to determine project eligibility, and to categorize and rank the project. Your description must include the following elements or describe how these elements will be addressed by the study, to the extent they are relevant to the proposed study. *Refer to the instructions for more information.*

- Qualifications of the applicant and project proponents to undertake the project.
- Proposed treatment methods
- Critical or controlling design and operational details
- Data collection and study protocol
- How the study will address ongoing operation and maintenance issues
- How the project involves a public purpose of statewide interest and concern
- Peer review component of the project (applicant technical advisory committee)
- Plan for public dissemination of the project results (must include submission of a report to DHS)
- How the study will address affordability and level of operational expertise required
- How the study will address handling and disposal of residuals
- Preparation of an operation and maintenance manual for demonstration projects
- List of previous studies related to this project

Use additional pages if necessary (refer to instructions).

G. Attachments

Your pre-application for the grant program is limited to a total of **10** pages including:

- Pre-application Part 1 (2 pages)
- Pre-application Part 2 (this form) (2 pages)
- Attachments (**6 pages maximum**). Include the information listed below as necessary.

28. Proposed Project Budget **REQUIRED** (1 page maximum). Include costs of major project components . Identify anticipated funding sources. See example in instructions.

29. Additional detail for Problem Description in Question E.

30. Additional detail for Project Description in Question F.

H. Intellectual Property

Applicant understands that all intellectual property developed pursuant to this grant program, including but not limited to copyrights, patents, and licenses, shall be the property of the State of California and shall remain in the public domain.

☐ Yes

☐ No

Complete and attach this form and any attachments to Pre-application Form Part 1 and submit as directed in the instructions.

California Department of Health Services
Division of Drinking Water and Environmental Management
Proposition 50 Pre-Application for Grant Funds
Pre-Applications are Due Dec. 1, 2004 by 5:00 PM
Refer to instructions for submittal information

Part 2 Chapter 6c: Ultraviolet (UV) and Ozone Disinfection

Page 1 of 2

Refer to the pre-application instructions for project eligibility.

A. Project Title (10 words or less) (Repeat from Part 1)

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B. Applicant Water System (Repeat from Part 1)

1. DHS Public Water System ID No.:	
2. DHS Public Water System Name:	
3. Legal Name of Applicant:	

C. Funding

1. Prop 50 Grant Funds Requested (Maximum Grant: \$5 million Minimum Grant: \$50,000)	\$
2. Amount of Matching Funds to be provided: (A 1-to-1 match of non-state funds is required for all grant awards, except for those to disadvantaged communities and small water systems.)	\$
3. Anticipated source of matching funds List the source and amount of matching funds in the Proposed Project Budget (refer to Attachments)	

D. Problem Description

Briefly describe the water system disinfection problem(s) that this project is intended to address. Identify the Maximum Contaminant Level (MCL) exceeded, the Total Coliform Rule (TCR) violation, the surface water treatment microbial violation, or other mandatory disinfection required by DHS or local regulatory agency. Indicate if the water system has completed and submitted a disinfection profile to benchmark current performance, and describe the results of the profile. *Use additional pages if necessary (refer to instructions).*

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Chapter 6c – Ultraviolet (UV) and Ozone Treatment**E. Project Description**

Describe the project in sufficient detail to allow reviewers to determine project eligibility, and to categorize and rank the project. Describe how the project accomplishes the purpose of this grant program. Describe the ability and resources of the applicant to operate and maintain the treatment facilities. If the project is for ozone treatment, describe the procedures that will be used to minimize residual disinfection byproduct formation. *Use additional pages if necessary (refer to instructions).*

H. Attachments

Your pre-application for the grant program is limited to a total of **8** pages including:

- Pre-application Part 1 (2 pages)
- Pre-application Part 2 (this form) (2 pages)
- Attachments (**4 pages maximum**). Include the information listed below as necessary.

31. Proposed Project Budget **REQUIRED** (1 page maximum). Include costs of major project components . Identify anticipated funding sources. See example in instructions.

32. Additional detail for Problem Description in Question D.

33. Additional detail for Project Description in Question E.

Complete and attach this form and any attachments to Pre-application Form Part 1 and submit as directed in the instructions.